



GHOST - Intent to Fly (IFF) Form

Complete the form below to officially indicate your team's Intent to Fly (IFF) on either the GHOST RockSat-X mission. The pdf version of this form should allow the user to enter the information, save the pdf, and then submit via email to rocksatprogram@gmail.com. The completion of this form is required to participate in GHOST 2024 mission and is due no later than April 17, 2023 at 5:00 PM MDT. It is expected to take ~20 minutes to complete this form. Although required, submission of the IFF does not mean that your team has been selected for flight on the GHOST 2024 program. Due to the limited experiment space on the launch vehicle, a down-selection process will be utilized after the successful completion of the GHOST Conceptual (CoDR) and Preliminary (PDR) design reviews in September 2023. If a team is down-selected, a full refund for their first payment will be issued minus a small processing fee. Launch date for GHOST is expected to be November 2024. You may send any questions about this form and/or the program to rocksatprogram@gmail.com.



Email *

Your email

PI Contact Information

Please provide the contact information for the person who will be the Principal Investigator (PI) for this mission. This could be the faculty advisor or a student but it shall be the main point of contact (POC) for the team.

First Name *

Your answer

Last Name *

Your answer

Email Address *

Your answer

Phone Number *

Your answer

Contact Type *

Faculty

Student

Other:

Organization/Institution *

Your answer

Address for Organization/Institution *

Your answer

Country *

Your answer

Experiment Details

Please answer the following questions about your experiment with the understanding that your team is just starting out and these details may change.

Experiment Name *

Your answer

Experiment Description - Please provide enough details to understand the scope and objectives of your proposed experiment. (less than 500 words) *

Your answer

Justification for space flight - Please provide a short response on why your experiment needs/should be performed in a space environment like the one that will be achieved on the GHOST flight. (less than 50 words) *

Your answer

Student Involvement - Please describe with enough detail how * students will be engaged on this team bringing the experiment from idea to launch (less than 300 words)

Your answer

Faculty/Advisor/Mentor Involvement - Please describe with * enough detail how the students will be advised, supported, and mentored on this team (less than 300 words)

Your answer

GHOST Mission Details

Please answer the remaining questions related to your experiment and the GHOST vehicle. While there is much more detail contained in the User Guide, here is a basic summary of each. GHOST experiments will use the WFF RockSat-X interface and are limited to are limited to ~30 pounds for a full space and ~15 pounds for a half space (This weight includes the experiment deck). Both full and half mount to an experiment deck. The space is ~10 inch diameter by 10 inches tall for full space and ~5 inches tall for half space. RockSat-X provides power and telemetry data for the experiments along with numerous activations before and during the flight. The experiment section is fully exposed to environment of space. The rocket reaches an altitude of ~100 miles. GHOST will not be recovered after the flight. NOTE: There is an option for one experiment to be located in nosecone section otherwise the experiments are in the aft section of the rocket.

Which GHOST option will you be using for your team/experiment and what size? Please note the total program fees for each option. *

- GHOST Full Space (\$30K)
- GHOST Half Space (\$18K)

The GHOST Program Fee pays for the GHOST Program. It covers * the costs to administer, run, and manage the GHOST program which begins with reviewing the IFF and ends with review of each team's final report. The program fees are used as teams progress through the program and are therefore non-refundable with the exception detailed above regarding the down-selection process. The program fee will be split into 3 equal payments and will be due on AUG 16, 2023, NOV 29, 2023, and APR 3, 2024. The down selection process will be completed by SEP 22, 2023. Teams not selected for flight will receive a full refund of program fees paid minus a small processing fee. Teams selected for flight will be responsible for completing their remaining two payments by the due dates. Please acknowledge that you and your team understand this and will follow.

We acknowledge and will follow

Other: _____

Launching rockets has inherent design issues, schedule * risks, technical unknowns, and weather factors. While launch GHOST rocket is the intention of this program, it is not guaranteed. If in the event that the rocket is unable to launch due to any factor listed above or for some other reason beyond Wallops Flight Facility or Andøya control (this has never happened), experiments will be returned to teams and there will not be a refund of the program fee nor will teams be compensated travel. Please acknowledge that you accept these terms on behalf of your team.

I acknowledge and accept these terms on behalf of my team

Other: _____

If Wallops and/or Andøya determines your team is non-compliant with the GHOST User Guide at any time (if possible, teams may be given time to become compliant) and/or if your experiment fails a pre-launch delivery and/or testing benchmark, you will be removed from the flight manifest. If integration to the rocket has already occurred, your experiment may still fly as an inactive experiment or it may be returned to you. In both cases, you will not receive a refund of the program fee. Please acknowledge that you accept these terms on behalf of your team.

*

I acknowledge and accept these terms on behalf of my team

Other: _____

Below is the preliminary GHOST Program schedule. Please acknowledge below that you have reviewed it before proceeding.

*

APR 17, 2023 - IFF DUE
APR 24, 2023 - GHOST Teams Notified
JUL 05-10, 2023 - CoDR (Review)
AUG 16, 2023 - 1st Payment DUE
SEP 11-14, 2023 - PDR (Review)
SEP 22, 2023 - Down-Select Complete
NOV 13-17, 2023 - CDR (Review)
NOV 29, 2023 - 2nd Payment DUE
JAN 22-26, 2024 - STR (Review)
MAR 25-29, 2024 - ISTR (Review)
APR 03, 2024 - 3rd Payment DUE
MAY 20-24, 2024 - FMSR (Review)
JUN 24-28, 2024 - VVC (Review)
JUL 12, 2024 - Ship Experiments
AUG 11-18, 2024 - GHOST I&T Trip (WFF)
NOV 2024 - GHOST Launch Trip (ASP)
JAN 17, 2025 - GHOST Reports DUE

I reviewed the preliminary schedule

The 2nd GHOST deliverable (the 1st is this form) is the Conceptual Design Review (CoDR) and shall be completed by each team during the week of JUL 05-10, 2023. A template will be provided to teams after this IFF is submitted and accepted. Please provide 3 possible Dates and Times that will work for your team for this 60 minute review. Please keep all times in Mountain Time Zone. *

Your answer

On behalf of my team, I acknowledge the conditions and terms * stated in this Intent to Fly Form and further acknowledge that my team will follow and meet all the requirements of the GHOST User Guide in order to be considered a participant in the 2024 GHOST program.

I acknowledge and my team will meet the requirements of the GHOST User Guide

Thank you for completing the 2024 GHOST Intent to Fly Form. You will receive a confirmation email shortly. Please leave any comments below if you have any. Thank you.

Your answer
